

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application;

--1. and 2. (Cancelled)

--3. (Currently Amended) A speaker apparatus, comprising:

a primary coil disposed in ~~[[the]]~~ a vicinity of a gap of a magnetic circuit and to which a current corresponding to an input audio signal is supplied;

a secondary coil, disposed in the gap, for inducing a current corresponding to a current that flows in said primary coil; and

a vibrating plate vibrated by said secondary coil with an interaction of the current induced by said secondary coil and a magnetic flux in the gap,

wherein the following relation is satisfied

$$L1 / L2 = R1 / R2$$

Where R1 is ~~[[the]]~~ a DC resistance of said primary coil; L1 is ~~[[the]]~~ an inductance of said primary coil; R2 is ~~[[the]]~~ a DC resistance of said secondary coil; and L2 is ~~[[the]]~~ an inductance of said secondary coil.

--4. (Currently Amended) The speaker apparatus as set forth in claim 3,

wherein when ~~[[the]]~~ a coupling coefficient of said primary coil and said secondary coil is equal to 1, ~~[[the]]~~ a square of the number of turns of said primary coil is equal to ~~[[the]]~~ a ratio of the DC resistance R1 of said primary coil and the DC resistance R2 of said secondary coil.